

NEVADA DIVISION OF ENVIRONMENTAL PROTECTION

F A C T S H E E T (pursuant to NAC 445A.236)

Permittee Name: **Clark County Sanitation District**
5857 East Flamingo Road
Las Vegas, Nevada 89122

Permit Number: **NEV40038**

Description of Discharge:

Location: **The Clark County Sanitation District (CCSD) Searchlight wastewater treatment facility is located approximately 0.75 miles southeast of the town of Searchlight in Clark County, Nevada, in Section 2, Township 29 S., Range 63 E. Latitude: 35° 27' 29"N; Longitude: 114° 54' 23"W. The facility is situated near the base of a cluster of low volcanic hills east of U.S. Highway 95 which extends on south to Cal-Nev-Ari, the turnoff to Laughlin and on to Needles, CA.**

Characteristics: **The domestic sewage generated in the Searchlight service area is collected and directed to the facility via a gravity 8" sewerline from the town to the wastewater treatment ponds, and a lift station and 4" forcemain serving the Hobson Street area which empties into the 8" gravity line. The wastewater treatment facility has two 1.2 acre asphalt lined primary ponds, two 1.8 acre asphalt lined secondary ponds, and a fifth 2.1 acre pond which has hypalon lining on the sides and a scarified bottom so it functions as an evaporation/percolation pond for disposal. The ponds are operated as a parallel system with the influent sewage discharged into the two primary asphalt lined ponds for settling, then flows via gravity to secondary ponds #3 and #4 for additional treatment. Pond #3 gravities to pond #5.**

Flow: **The facility has a flow limitation of 0.090 MGD. Current flows are substantially less, averaging 0.034 to 0.038 MGD for the last five years.**

General: **The facility is managed and operated by the Clark County Sanitation District. Influent flow is measured by a Manning Meter with a sonic transducer for a 7-day 24-hour period (composite) at the 8" Palmer Bowlus flume in the utility vault, prior to discharge into the primary ponds. Influent BOD₅ and TSS is sampled prior to the primary treatment pond; effluent BOD₅, TSS and pH are sampled at each of the pond outlets prior to discharge to pond #5, and in pond #5, if it is in use. There is a limit of 120 lbs/day of BOD₅ for the facility. Monitoring is quarterly.**

Receiving Water Characteristics: **Based on current groundwater quality data, the groundwater quality is potable, and is used as the public water supply for the town. The town well is located nearly a mile to the north of the plant. Depth to groundwater near the plant exceeds 100 feet, with impervious caliche, and cemented sand and gravel horizons underlying the ponds.**

Procedures for Public Comment:

The Notice of the Division's intent to reissue a permit authorizing the facility to discharge to the groundwaters of the State of Nevada subject to the conditions contained within the permit, is being sent to the Las Vegas Review-Journal for publication. The notice is being mailed to interested persons on our mailing list. Anyone wishing to comment on the proposed permit can do so in writing for a period of 30 days following the date of publication of the public notice. The comment period can be extended at the discretion of the Administrator.

A public hearing on the proposed determination can be requested by the applicant, any affected State, any affected interstate agency, the Regional Administrator or any interested agency, person or group of persons.

The request must be filed within the comment period and must indicate the interest of the person filing the request and the reasons why a hearing is warranted.

Any public hearing determined by the Administrator to be held must be conducted in the geographical area of the proposed discharge or any other area the Administrator determines to be appropriate. All public hearings must be conducted in accordance with NAC 445A.238.

The final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445A.605.

Proposed Determination

The Division has made the tentative determination to reissue the proposed permit for five (5) years.

Effluent Limitations, Schedule of Compliance and Special Conditions

There are no effluent limitations. Flow is limited to design flow. There is a loading limit of 120 lbs/day for BOD₅. A revised O & M Manual is to be submitted by December 30, 2000. There are no special conditions.

Rationale for Permit Requirements

Monitoring is required to determine when design capacity is being approached, and to ensure pond loading is not exceeded. No limits are imposed, only a loading limit for the primary ponds.

***Prepared by: Icyl Mulligan
September 2000***